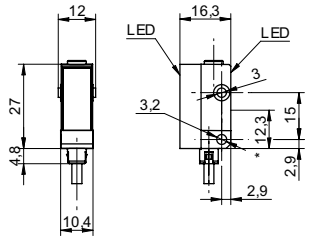
Retro-reflective sensors

FPDK 10N5130

dimension drawing



* emitter axis

general data

type	retro-reflective sensor
light source	pulsed red LED
actual range Sb	3,5 m
nominal range Sn	4 m
polarization filter	yes
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	no
wave length	660 nm
suppression of reciprocal influence	yes

electrical data

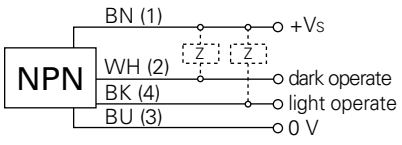
response time / release time	< 0,5 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	25 mA
current consumption typ.	20 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output circuit	NPN
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	10,4 mm
height / length	27 mm
depth	16,3 mm
type	rectangular
housing material	plastic (ASA)
front (optics)	PMMA
connection types	cable 4 pin, 2 m

ambient conditions

operating temperature	-25 ... +65 °C
protection class	IP 65

photo

connection diagram